



Crop Progress and Condition

USDA, NASS, Kentucky Field Office
David Knopf, Director
601 W Broadway, Rm 645
Louisville, Kentucky 40201-1120
(502) 907-3250 or 1-800-928-5277
Email: nassrfoemr@nass.usda.gov

In Cooperation with:
Univ. of KY – Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

Released: June 28, 2021

Issue: 17-21

Agricultural News: Kentucky experienced below normal temperatures and rainfall over the past week. Precipitation for the week totaled 0.89 inches, 0.12 inches below normal. Temperatures averaged 73 degrees for the week, 1 degree below normal. **Topsoil moisture** was rated 3 percent very short, 25 percent short, 67 percent adequate, and 5 percent surplus. **Subsoil moisture** was rated 2 percent very short, 16 percent short, 78 percent adequate, and 4 percent surplus. Days suitable for fieldwork averaged 5.9 out of a possible seven.

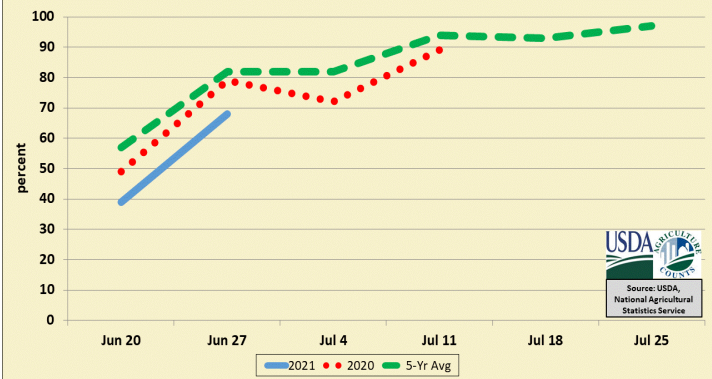
Primary activities for this week included planting soybeans, setting tobacco, harvesting wheat, and cutting hay. With conducive weather through most of the week, farmers were able to make a strong push in the fields. There was some heavy precipitation at the beginning of the week, but it was focused to certain areas of the state and gave way to drier conditions. Eleven percent of the corn crop is in the silking stage. Soybean planting is nearing completion as most planting at this juncture is either double crop or replants due to a wet, cold spring. Six percent of the soybean crop is blooming. The average height of soybeans is 3 inches at this time. Both the corn and soybean crops are in good overall condition. With that said, there have been reports of slug damage in soybeans, however it is not known what the impact on yields will be. Tobacco condition is mostly good with 94 percent of the crop set. The average height of tobacco is 14 inches.

Wheat harvesting is moving swiftly with 95 percent of the crop mature. Pasture condition is good, however if hot, dry conditions persist, growth will be stunted. Hay condition is mostly good with a lot being cut this past week as weather allowed. Some of the hay was first cutting and thus quality was affected due to over maturity.

SOIL MOISTURE for week ending 06/27/21

| | Very Short | Short | Adequate | Surplus |
|---------|------------|-------|----------|---------|
| | % | % | % | % |
| Topsoil | 3 | 25 | 67 | 5 |
| Subsoil | 2 | 16 | 78 | 4 |

Kentucky Winter Wheat Harvested



CROP PROGRESS for week ending 06/27/21

| Crop Stage | This Week | Last Week | Last Year | 5-Yr Avg |
|------------------------|-----------|-----------|-----------|----------|
| | % | % | % | % |
| Corn Silking | 11 | 1 | 8 | 20 |
| Soybeans Planted | 94 | 87 | 92 | 92 |
| Soybeans Emerged | 82 | 72 | 81 | 79 |
| Soybeans Blooming | 6 | 1 | 9 | 5 |
| Tobacco Set | 94 | 89 | 92 | 93 |
| Winter Wheat Mature | 95 | 69 | -1 | -1 |
| Winter Wheat Harvested | 68 | 39 | 79 | 82 |

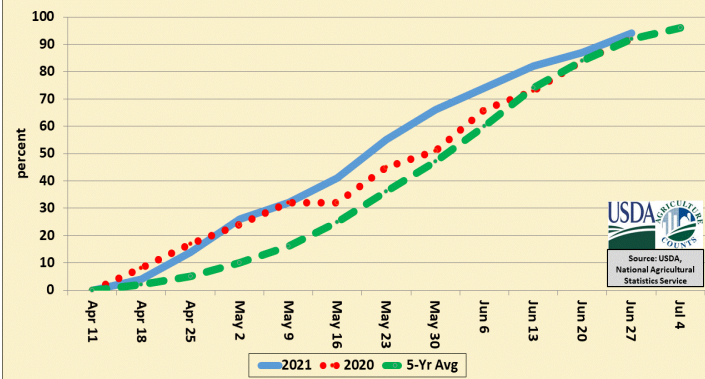
-1 Represents not available.

CROP CONDITIONS for week ending 06/27/21

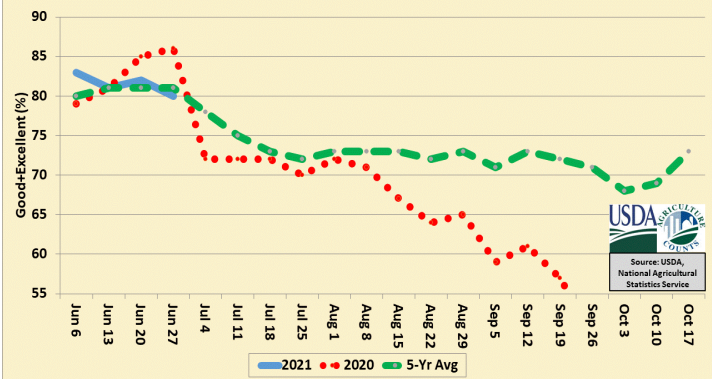
| Crop | Very Poor | Poor | Fair | Good | Excellent |
|-------------|-----------|------|------|------|-----------|
| | % | % | % | % | % |
| Corn | 1 | 2 | 14 | 71 | 12 |
| Hay | 1 | 4 | 20 | 64 | 11 |
| Pasture | 1 | 3 | 22 | 61 | 13 |
| Soybeans | 1 | 3 | 16 | 68 | 12 |
| Tobacco Set | - | 4 | 15 | 73 | 8 |

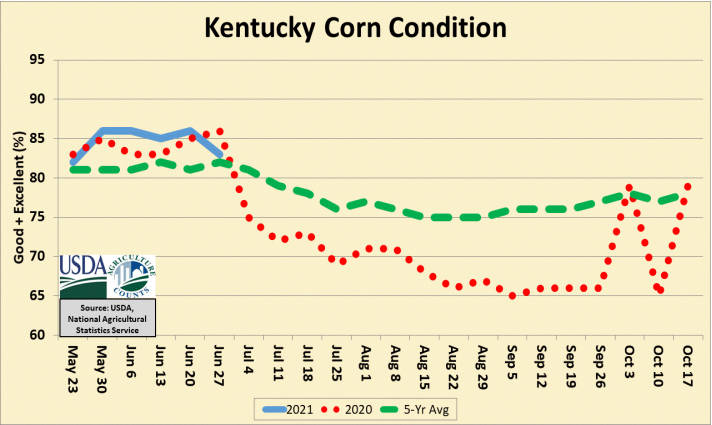
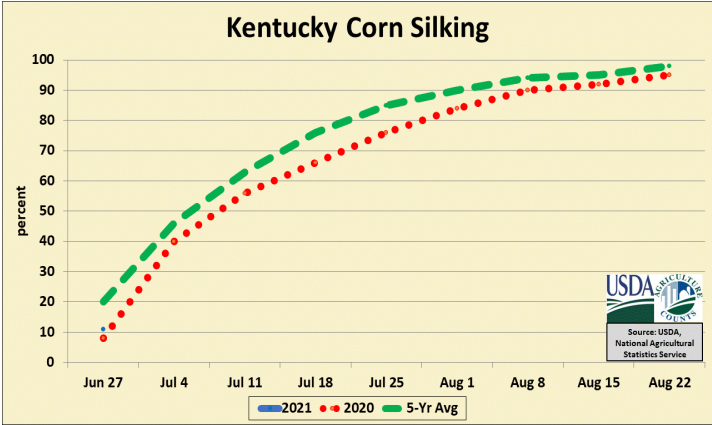
- Represents zero.

Kentucky Soybeans Planted



Kentucky Soybean Condition





Kentucky Climate Summary
For the Period June 21, 2021 to June 27, 2021

Below Normal Temperatures and Rainfall:

The majority of the rainfall for the week fell on Monday as a cold front crossed the area. A very moist airmass led to torrential rainfall rates at times with accumulations of 1 to 1.5 inches for much of Kentucky. The exception was across South Central Kentucky and along the Ohio River between Ballard County in Western Kentucky to Campbell County in the Northern Bluegrass. These areas generally stayed under a half inch. Outside of some spotty activity over the weekend, the rest of the period followed a mostly dry pattern. Looking at temperatures, behind the cold front early in the week, highs fell below normal for a couple days. In fact, temperatures were limited to the low to middle 70s on Tuesday. Saying that, it did not last long as highs were back in the middle 80s to low 90s for the weekend, along with increased humidity.

Temperatures for the period averaged 73 degrees across the state which was 1 degree cooler than normal and 2 degrees cooler than the previous period. High temperatures averaged from 84 in the West to 81 in the East. Departure from normal high temperatures ranged from 3 degrees cooler than normal in the West to 4 degrees cooler than normal in the East. Low temperatures averaged from 65 degrees in the West to 61 degrees in the East. Departure from normal low temperature ranged from near normal in the West to 1 degree warmer than normal in the East. The extreme high temperature for the period was 94 degrees at BOWLING GREEN APT and the extreme low was 44 degrees at OWINGSVILLE 4S.

Precipitation (liq. equ.) for the period totaled 0.89 inches statewide which was 0.12 inches below normal and 88% of normal. Precipitation totals by climate division, West 0.97 inches, Central 0.81 inches, Bluegrass 0.82 inches and East 0.95 inches, which was 0.04, 0.19, 0.18 and 0.08 inches below normal. By station, precipitation totals ranged from a low of 0.01 inches at EVANSVILLE ASOS to a high of 3.61 inches at PRINCETON 2SE.

KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 06/27/21 4 p.m.

| Weather Station | Rainfall | | | Deviation From | | Air Temperatures | | | | Growing Degree Days | | |
|-----------------|---------------|---------------|----------------|-------------------|-------------------|------------------|------------------|------------------|------------------|---------------------|------------------|------------------|
| | Last Week | Since Apr 1 | Last Four Wks. | Norm. Since Apr 1 | Norm. Last 4 Wks. | High | Low | Wkly. Avg. | Dev. From Norm. | Last Week | Since Apr 1 | Dev. Since Apr 1 |
| | <i>Inches</i> | <i>Inches</i> | <i>Inches</i> | <i>Inches</i> | <i>Inches</i> | <i>Degrees F</i> | <i>Degrees F</i> | <i>Degrees F</i> | <i>Degrees F</i> | <i>Degrees F</i> | <i>Degrees F</i> | <i>Degrees F</i> |
| Bardstown | 2.47 | 13.47 | 5.70 | 1.83 | 2.26 | 88 | 53 | 72 | -3 | 158 | 1,258 | -139 |
| Berea | 1.05 | 9.18 | 5.36 | -3.44 | 1.65 | 88 | 46 | 71 | -3 | 148 | 1,088 | -351 |
| Bowling Green | 0.41 | 10.30 | 2.78 | -2.71 | -1.13 | 94 | 54 | 77 | 2 | 189 | 1,457 | 11 |
| Bristol | 0.94 | 7.83 | 4.48 | -2.56 | 1.17 | 89 | 49 | 71 | -3 | 144 | 1,076 | -232 |
| Buckhorn Lake | 1.22 | 9.19 | 4.88 | -2.41 | 1.01 | 86 | 47 | 71 | -3 | 148 | 1,162 | -102 |
| Cape Girardeau | 0.27 | 12.17 | 3.60 | -0.57 | 0.31 | 91 | 53 | 77 | 0 | 192 | 1,460 | -65 |
| Campbellsville | 0.79 | 8.53 | 2.97 | -5.14 | -0.94 | 90 | 48 | 73 | -2 | 160 | 1,180 | -234 |
| Covington | 0.03 | 14.18 | 6.45 | 2.69 | 2.86 | 89 | 51 | 73 | -1 | 160 | 1,208 | -41 |
| Dix Dam | 1.23 | 11.62 | 5.30 | -0.64 | 1.84 | 90 | 48 | 73 | -1 | 163 | 1,213 | -167 |
| Evansville | 0.01 | 8.11 | 2.20 | -3.80 | -1.09 | 93 | 54 | 75 | -2 | 176 | 1,383 | -46 |
| Glasgow | 0.36 | 13.38 | 2.85 | -0.37 | -1.45 | 89 | 51 | 74 | -1 | 164 | 1,248 | -139 |
| Grayson | 0.68 | 9.05 | 2.98 | -2.30 | -0.61 | 89 | 48 | 71 | -3 | 150 | 1,141 | -63 |
| Hardinsburg | 1.71 | 12.99 | 4.88 | 0.40 | 1.31 | 89 | 54 | 74 | -1 | 166 | 1,226 | -237 |
| Henderson | 0.09 | 7.73 | 2.40 | -4.49 | -1.16 | 89 | 49 | 72 | -5 | 156 | 1,270 | -213 |
| Huntington | 0.42 | 12.22 | 4.75 | 1.03 | 1.28 | 89 | 47 | 73 | -1 | 159 | 1,225 | -87 |
| Jackson | 2.05 | 9.38 | 3.76 | -2.64 | 0.18 | 89 | 52 | 74 | 0 | 165 | 1,330 | 66 |
| Lexington | 1.72 | 13.40 | 5.91 | 1.76 | 2.47 | 88 | 47 | 72 | -2 | 154 | 1,128 | -185 |
| London | 0.37 | 10.57 | 6.44 | -0.87 | 3.04 | 88 | 50 | 73 | -1 | 160 | 1,218 | -107 |
| Louisville | 0.13 | 11.43 | 4.48 | -0.53 | 1.22 | 93 | 58 | 77 | 2 | 188 | 1,520 | 108 |
| Mayfield | 1.74 | 12.28 | 3.82 | -0.81 | 0.63 | 90 | 53 | 75 | -2 | 174 | 1,380 | -138 |
| Nashville | 0.07 | 9.21 | 1.79 | -3.25 | -1.58 | 94 | 56 | 78 | 3 | 194 | 1,556 | -13 |
| Nolin Lake | 2.48 | 17.74 | 7.41 | 4.20 | 3.71 | 89 | 51 | 73 | -2 | 162 | 1,273 | -62 |
| Paducah | 0.22 | 13.47 | 3.58 | -0.12 | -0.22 | 91 | 55 | 77 | 0 | 189 | 1,512 | 10 |
| Princeton | 3.61 | 15.88 | 6.83 | 2.66 | 3.21 | 88 | 52 | 73 | -4 | 164 | 1,305 | -212 |
| Quicksand | 1.23 | 9.02 | 4.23 | -3.00 | 0.65 | 87 | 49 | 71 | -3 | 146 | 1,126 | -138 |
| Somerset | 1.47 | 11.39 | 5.54 | -1.85 | 1.56 | 86 | 48 | 72 | -2 | 153 | 1,127 | -228 |
| Spindletop | 1.73 | 13.08 | 6.02 | 1.44 | 2.58 | 87 | 50 | 71 | -3 | 150 | 1,155 | -158 |
| Williamstown | 0.48 | 15.35 | 7.70 | 3.40 | 4.16 | 87 | 48 | 70 | -4 | 142 | 1,107 | -183 |

The above information is provided by Matthew Dixon, Senior Meteorologist, University of Kentucky Agr'l Weather Center (859) 218-4364.